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Fall 2019

# PHYS 320-001: Solar System Astronomy

Dale E. Gary

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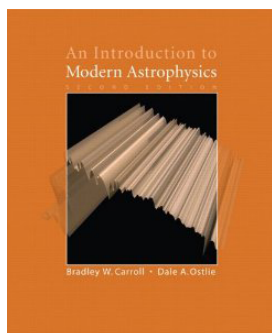
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# Solar System Astronomy

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11:30 am - 12:50 pm IV

Time W;

Location: 113 Tiernan

## Introduction to Modern Astrophysics

(2nd Edition)

by

Carroll &amp; Ostlie

Instructor: Prof. Dale E. Gary

Office: 101 Tiernan; Office

Office Hours:

Hours: T, R 10-11am

Phone: (973) 642-7878

E-Mail: [dgary@njit.edu](mailto:dgary@njit.edu)Web Page: (<mailto:dgary@njit.edu>)<http://web.njit.edu/~g>

## Phys 320: Solar System Astronomy (Fall 2019)

This course will use the Canvas Learning Management System. Log on at [canvas.njit.edu](https://canvas.njit.edu) (<http://canvas.njit.edu>). We will all be learning the system together, so please let me know if something does not seem right.

**Readings:** The reading assignments accompany each lecture, and generally will have some short response worth 1 point, to encourage you do keep up with the reading. The reading assignments should show up in the list of modules, the list of assignments, and in your To-Do list. For this course, we will be covering Chapters 1, 2, 3, 6, 11, 12, 19, 20, 21, 22 and 23. The remaining chapters are covered in the companion course Phys 321 (Astronomy & Astrophysics II). You should complete the readings before the corresponding lectures, but certainly by the time of the following lecture (the due date).

**Homework:** The homework assignments will be due each Wednesday. They may require you to submit a text response, a file, or hand in a written paper, so check the assignment early and be prepared.

**Exams:** There will be two in-class exams during the semester, and the final exam during exam week.

**Grades:** Your grade will be based on your homework+reading assignment scores (20%), in-class exams (30%), attendance and class participation (20%), and final exam (30%).

**Observing Sessions:** I would like to have two observing sessions in the observatory on the roof of Faculty Hall if there is enough interest.

Here are the approximate weights to be used for calculating the final grade and the final grade scale:

30% for the two common exams (15% each)	85% and more	A
30% for the final exam	80% - 84%	B+
20% for the total homework grade	70% - 79%	B
20% for total attendance/class participation	65% - 69%	C+
	55% - 64%	C
	50% - 54%	D
	49% and less	F








Grades are not negotiable. A score of 84.99999% is a B+, not an A

### Statement on academic integrity:

Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the [academic code of integrity policy](http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf). (<http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>)

Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at [dos@njit.edu](mailto:dos@njit.edu) (<mailto:%20dos@njit.edu>).

## Course Summary:

Date	Details	
Mon Sep 9, 2019	 <a href="https://njit.instructure.com/courses/7169/assignments/11813">Lecture 1 Reading and Resources (https://njit.instructure.com/courses/7169/assignments/11813)</a>	due by 11:30am
Wed Sep 11, 2019	 <a href="https://njit.instructure.com/courses/7169/assignments/12045">Lecture 1 Assignment: Thousand Yard Model for Trappist 1 (https://njit.instructure.com/courses/7169/assignments/12045)</a>	due by 11:30am
	 <a href="https://njit.instructure.com/courses/7169/assignments/12100">Lecture 2 Reading and Resources (https://njit.instructure.com/courses/7169/assignments/12100)</a>	due by 11:30am
Mon Sep 16, 2019	 <a href="https://njit.instructure.com/courses/7169/assignments/15101">Lecture 3 Reading and Resources (https://njit.instructure.com/courses/7169/assignments/15101)</a>	due by 11:30am
Wed Sep 18, 2019	 <a href="https://njit.instructure.com/courses/7169/assignments/12215">Lecture 2 Assignment: Homework Problems (https://njit.instructure.com/courses/7169/assignments/12215)</a>	due by 11:30am
	 <a href="https://njit.instructure.com/courses/7169/assignments/15103">Lecture 3: Homework Problems (https://njit.instructure.com/courses/7169/assignments/15103)</a>	due by 11:30am
	 <a href="https://njit.instructure.com/courses/7169/assignments/13626">Roll Call Attendance (https://njit.instructure.com/courses/7169/assignments/13626)</a>	